VIATION JULY 7, 1947 WEEK

INCORPORATING AVIATION AND AVIATION NEWS

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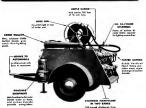
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toba France In Media R. Mirkel New Street Schooler Branco Profe Coan Stew

Beken & Hen. William Kenner Alexander McComby - Don S Server Marie Adams beand become Ecoin J. Balban Description Dr. L. C. Ramother - Street Court and Reserviors, F. D. Peterses, Veteria Guerally, Anita Scotle Eddered Officer National Proc. Billy. Washington, D. C.; 120 W. 62rd St.,

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in a feater for Paris State of Paris Std. Combact Std Sunday



Prospecting by helicopter-underground

tions in Mexico and Sounder ... and Hum Landberg, Toronto, first made

In one hour, from the Bell Helicoptes. erem. Form in flight the helicopter With the Bell Helicopters purchased. Landberg Espiorations Ltd. is now you. treaty net mescapeers are at work,

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AVIATION WEEK, July 7, 1947

AVIATION WELK, July 7, 1947



and regularly acheduled goest circle fights to Yokeo, Korea, Shanghai and Munils is a great stride forward for global aristion . . . and a bright new feather in the can of this represents sixfine. Texaco is aroud that Northwest uses Texaco dercruit Durbe Ool exclusively on its trans-Pacific flights . . . just as it does on its routes coass tocourt in the U. S. and to Alaska. This preference for Tranco is based on performance, and in shared by tending airlines energybers. In face-

Sours with Tennes Aircraft Faring Gill then with our other frond. Terrico offere the industria most counties fine of spinished behaviorers and facts ... thus beloful Yearen Labrication Engineering Service, last call

the newrose of the more than 2500 Texago discollection about in the 48 Science on woman 42nd Street, New York 17, New York.

TEXACO Lubricants and Fuels



... IMAGE STAR THEATHE present the NEW FORT MARTIN SIGN every burder shall be represent by line and disline.

THE AVIATION WEEK

SAFETY IN THE AIR Although assumed hand to the fact that while everyone agrees personal planes loss had calmed down somewhat after proclamate the latest series of air crathes, renerressons continued in the splines. He correton Can the curren service Specelation on fature reports of the President's special meetinging bound was the ten consequence or the substruct to addition to change to the off feeds the

1. Make a third cocket coverage mandators, a polotpayarates, long demanded by relat season chief Rebricks 2 Rose a hellsholm over CAA reservor and non 3 Amend Part 04 of the CAR. Some network unisities have not even come into effect. They may be story democrat on DC to country product 04 and the DC-6s which started the present storm

LANDIS RUNS THE SHOW-CAR Charmen fernes Lordo is increase the percelevital board. Most a popular seer more among arouft manufactures in als: none of their representatives was included, the radicates's ton redirectedities mally our not deeply cons manufactures' spokeseess to savite bers to northmosts but, strangely, was people to reach him and the matter not not followed up. Approfit makes not over incodhowever, that original devices and countraction are not

LANDISANDUSTRY RIFT. There is present on sourt even day. Lando is adament on the safety solvect. So it the Air Line Plots reneroration. The solvers you can make so many safety regulations you will never course a schedule. The out- week-secol train, place or but it out that never mores. Arrive management is straggest repulations which may be imposed by the

PERSONAL PLANE SHAKEUP-Next to airline safety. hispost consumption piece was Ryan's enrollant of Clobe Smith and Johnson Booket Became of the descoued peneral place market, there has been no ordinistic evaluations of these moves Soth resolvery hour intrinsing marky. Respectition of boncy back into the business. Although he has been over for a less time. Russ is not a recentern Fast set of Tomos after busine the Soilt was to amornee a big price cut. Miss interest in this attaches

AVIATION WEEK, July 7, 1947

are too reserving, few manufacturers have admitted, as Don't focust that the Smith with a 120th engine and a extensible leading good, now drops plants into the same emeral wave class as the other all metal there on the market-Tenerophy Cours and Excesse-two-slaver with \$5hp. Terrers has a good production record. It has written off all development and tooling costs and took over a souble inventory of correlated planes. Mean while Laurenbe and resolution. Power defended actions The personal arcreft industry is in a revolution. Revall

will be fewer reconfectures. lower prices, and married MILETARY ARCRAFT AND THE HILL-WISE

melitary sercost mornisctures were kernest an eye on Cantol Hill lot week. With the done of this found sen's relitive and Navel engagerations can become they stred B's on encomfortable soot. With money already abligated also fiscal '48 tends the next 12 months

little better. But after that the cutlook is dark notional air redict localation measure to the Scrude. If this can be exacted in the waster days of this legislative sense. It may port a powerful influence on future preparations. If an air robes hall facts to get by the

The new world's speed second of 623 freigh most be broken in a few works by the same Lockhood P 50R, that set the new work. Pilet Albert Seed found no compopulatits treeble, and did not use full power from the Allmon-built 133 camps. Florida is being discussed as wrong of the next attenual Chall Assistion that Britain would not have more U. S. transports exceet those already on order. British Over sen Access no likely to receive more Constellations P. Evacet-Import. Book shortly will represent profiler magnischerer's participation fron for foreign psychase

Elizabetton of the arread services is about containty mittee was the tip-off, secredise to merger proposents. * Although CAA is getting its cumberouse arrest aid will still keep the pace to a crawl



105 14 011 VA . 0 . 114.85 ebolitery fabric! Pewireed is receptation with sufemotive and aircraft orgineers, TAN-O-LITE has estracologicy strength ... lightness ... dur whiley hearty its date-great figure it easy to deep.

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24 Sannie R. Mercick New Servey



NEWS DIGEST

Agritual Secretary of Compressor for air har orane. Borden's duties will be devoted be-William C Feeter, Under Secretary of

Worker Ar Lean will concentr its smarked the Hannes Jetzensteini Trooks Alles P. Steller as decerer of exposurous Mostly who reserved effective talk 15 with office in Winhardton House Accord Services Committee upmonth brokens authorized a CS4 695 000 News make works recover exclusions \$14,000,000 for development of the F1

Maga, Cal. puded minde test reage. Devolut Torono reported a service mental recoveration of \$1,756,000 to Ches Genera (B. S. D.) introduced for elation authorizing a War Deputations pub-

> nameters additional AAF tarddies. William Vie Deser, France public reference of the Assessment Assessment reductive) and advertising constalling. Of

Crit, and is Washington FINANCIAL TWA hade into the black for the feet

time this year desing May with a profit of shoot \$100,000, moved-up to Freedow LaMotte Y. Cobs. McContrary Arlines reported not and of 50,512 and a 647 percent lend factor on May agreen \$35,453 peofs and a

contact a next loss and \$765.767 for the six mated credit of \$1,789,266 resultant from

ments after energie for \$200 and orange office and suppressors employees effective AVIATION WEEK, July 7, 1947



THE NEWEST IN HEATING

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> fights to provide for even creator possenger comfort and safety. The was of four Innisrely in the Douglas DC-6 for complete year

'round sir coodideeens and antiicias of wine and emperouse in a repical example of landrol's contribution to modern fring. Housen are switchle in scatted models concern from 15,000 as over 500,000 Her per hour cut-

This wide experience in the design, intellation and service pag of sixcreft bessers and the complete facilities of our research laboratories can be made useful to you . It is know your problem Wrote Asserts Henry Division, Surface Combustion Corporation, Toledo 1, Ohio,









week. The electrical abstractivistics of control

Dublished by The Glenn L. Martin Company Bulsterne 3 Meryland

On Loading Airlines Soon . . Here, the uletamodern Massa 2-0-2 archeer is thrown to Fight during CAA combination until Speedy Martin I stowy Inco. to carrier or right desiring CAA communities were appeared to the property and well used by a farriffer such as airports the world over when they go into

operation for these great series and cargo corners Capital (PCA) . . Forces Charges & Southern Usued Nonthwest Delea Page Country do Sel (Beyel) . . Acropouts (Argentena) . Nacron Chale Mornal Flying Tager . Air Some Cargo U.S., Willia

Going Up . . . 235 Miles . . . Rockcary is one of the more advanced

rarries 36 to 40 paracingers (or \$5,000) remarks of surficients on the cases yerthan the places they supplant For rockers. 45 feet long, canable of flushes so 235 males above the earth s surface. These bases sockers, being built by Macon for the Navy, and even Thus, airless profes with the she for all-American loan-range of the total passenger purious. Thus is hore have onlessed Marrin transports

As a Military Transport . Maron 2-0-2 offers many advantages carry 50 completely equipped moops or 15,000 pounds of carpo. Besty in former perturb new charges army song equipment . . . efficient yas Zelm uderon . . movels landing large catgo doors for easy

25.000 Hylms Hears . . . Denny early years, the Macris 2-0-2 was further eroof of the superiority of the Marin 20-2's advanced devices

Newset Jet Sember high speed, long tongs XB-ss was leads by Martin for the Army Air Forces Preserved by six jet engines. monal type plane yet constructed The XS-45 also proncers a new

lessanted Profes for Airlines.

The new twin cegine Marcin 2-1

Martin 2-0-2 was sent to Manacosta Plyone in the cold layers of air more of Mirrespole, the engeneers and CAA representatives were able to 102 which involves parities heard or through the wing soil tail as are the second secondal "A Reel Buy" Here's Why . . Marrie has redem for more new reservoirs shap any other surveior

Looking for Cold Weather To rhannestly see a new rheemal area-King system, new crandard congress on all Marcin transports, a

Low-Cost Maintenance - . . Thes. are one wandows in the Maren 240-2 They see a few of the numerous screenery compartment revenings which provide easy access to the

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· Benefits I makes of from a name transports

Air Safety Board Urges Cuts In Airline Maximum Weights

The special Prendestral Act Selects Income

Sees inadequate safety margin in present requirements: revision of Civil Air Regulations will offset air carrier revenues.

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a Adding top properties factor to publish 100 a DC 6. The would reduce periods rabrantolly, during the peak traffic leads of changes at which all interested parties ranstate then one. Both the Au Line Posts of a Control Actions (PCA) DC 4 ness

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> DC-6 SHOWING Useed An Lines, which lost ever

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CAA for an rolling country, in asserting Service Works the Assess And Chin a state could downed from oir traffic con

> determining the deposition of arport AVIATION WEEK, July 7, 1967

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NAVY MISSILE CENTER

Wiggins Airways

Suspends Investments

Reynolds Plans New Round-World Flight

according to Milton Reynolds, parsent

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Competition Sought

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Tennessee Operators Use New Ground School Plan has developed a new type of general school

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mon 9-15 fond: A commercial score 25.40 The system may be worked as a costs per challent house as many costs was mufficient for encurion in secure come-



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Phoesto-Ground Service Place to ground ratio telegoids server for

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Airfreight Forwarders Form Permanent Group The Antoneta Forwards Associates could at a temporary organization liet

winter (Amarico Nicos, Feb. 24), hishave emiliated on a measurest loss and he moved to characters to tex wel-Morton in Washington recentle, AFA arrests are than of officers and appointed to country consulted to ask CAR for remedely resulter of temporary authority

country. With contends that CMs con Representatives of four members of the with the ferwarden and musted there at then menor. New AFA officers. Allen Don National Astrophy Foresters, De-W. J. Thousan Merces Astrophy

British Planning New Trunk Services to Oricot (McGray Bill World News)

Millioune-Birtoli experts are in Victoria restaurant technical data with efficiely of

Autogiro Patente

duction of its Shooly belongton. The wurfame licensing agreement between the AVIATION WEEK, July 7, 1967

AVIATION WEEK, July 7, 2947

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P Need for advanced hear with burn

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AAF Is Pondering

New Romber Rules

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NEWEST CORSAIR

others: Foward by new P & W R 2002E cripic torons not Hamber-

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Nearly 1/3 L. S. Planes Surplus Sold by WAA by War South Minimplesters, which in a

sold out of supleme. Of approximately 65 000 about terred our to WAA shoot plager was more than \$3,000,000,000. On

base trapers, 8.670, advanced tenners, counts of about 675 (746's when 300 DC3: and DC4: so less to arise:

model anatolic and precently free in the Airport Aid Offers

Made to Nine Cities

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· Butles, Ga.-Fodoral, 51 250, seconds. Compile Gr Federal, \$12,900, moreous \$24.700 means had construct Class II a Phincips Ton Solved STS 500 com-. Green Ber. When-Federal, \$522,000

 Analysis, Okla – Federal, 585,655, spon ste, \$52,140, acquire hard, corprove Class II field to Class II. HEADLINE NEWS

CUB SPECIAL FLOATPLANE CAA assessed has and here obtained on floatplane version of new 65 km. From Cab Special PA-11 equipped wak Kilo Model 1400 all matel Beats. Festions

year of two-store tembers flugislate, with McCopics money recording recording to be a second transfer to the control of the co

abound place unbeyor is a 40 sec water rea, with 1572 fb green weight. Place

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Industry Personnel Changes Reported to from acting factory managers, after a roton of Loan A. Williams, It. as very

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April Fire Patrol

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written Continental engine, \$1,600 per Navana are standard except for reduentillation attraceable door and a few Both piness were demonstrated at "mock model" fightphones in sough field landing and takents simulation compar-

conditions. Planer were chouse on a base

Army Buys Lightnlanes

Of the stell purchase by the U.S. Asser

WAA to Liquidate Surplus Components hely 2008 with the 75 arests in the indusmaterial with an original cost of \$66,317, 716. The hoves as stock components that years will be approved, beginning seemeth ful trees, and saleship merchander. Accept The hilgree of the inventors, cheerd as which will be affect to the sent of usped net exceeding three vents If the

miner \$167.555,600 had been said for

respected all surplus arrangement was true and filed their provintions with WAA Accests filing requestions after the 1 will propert alone WAS will stee making alia

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FLYING SADDLE BAGS Bell Ascent's special around believen, apparently to adoptation of the Model 47.

D'Alese Nitsend Front in Make will be two thesis the symber of lookests generally seed during the fire season. The air arm will now the first 100 persons operated com-HEADLINE NEWS

books for small bags and consenty of the two tagether is about 500 lb- of mad-"Arrestles," as Reli calls the new model, comes with once or coclosed cockret. AVIATION WEEK, July 7, 1947

🐧 AVIATION WORLD NEWS 🕰

British Turbine Croft Several Years Away Jet expert claims exceeded sigling replacement of plates

At level five seen will disput before A worker or crossedow and descenthe British resepond no feture sucrat: of the Asymptotic Sources, and Assertion Proton Engow End Forcest-Holding additional years will be secured to account her safetent numbers of tubico-drives

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Export Subsidiary

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or for style assessment as bades of a forest Fox Moth Price Reduced

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Canadian Tax Lifted

PRODUCTION ENGINEERING

ENGINEERING & PRODUCTION

NACA Reveals New Results Of Supersonic Research Program

First full year effort on basic bigh speed problems indicates new design concepts and construction methods necessary: flight tests to begin in July.

Be ROBERT HOTZ The shape of supersons: though to come in AMP NAVY, NACA IRDS plot for a behers shelved in view of the chell erimonia winds blowing from Capabil Hall, work in headow the Hestel States' effort to orbition well understor on a fail it seattings time! pergram is indicated by the \$12,000,000 in tensor of NACA's 1948 bodies by its

andered that in the last year some of the

other competition have been resulte to

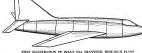
ness resumb has been conducted by those men speeds up to Mach 4; racket powered armotely controlled feet field read models NACA spend \$10,711,000 primarily on the assembly process that hos yielded the first and come flow beds to which models to ► Tanky Entrance—Although NACA and attached a still Bying at substance speeds. A fourth, method—facts toots of full scale

wader association at represent speeds with wing plan forms seem to be the first and again it consider at reasonable decays efficiency at high speech but look statelies

paret had more will be receiped to more

and make control difficult at solution speeds required for trice off and leading. Applied All possible wing plans have been sweet-galed-random degrees of sweeplank up to difficult then the low speed problems of

Party since with cannaback of her than



Desirond to evalue, visibility and control weakless between Mach number 35 and 1.1, cost has theoretical used state the good to expose spacery and control process, persons seem to the second and the second sec

smelt is the XHRP-1 belieuper built by the Piancki Helicopper Corporation, Sharps Helt all the radial, throat and combined loads into Prana, as it lifes a "lean" made by Willes upon them meder all mhould. Bight and land-Overland Morrey, Inc., of Toledo, O., waskell The "Jeep", of course, has long been equipped Nicknamed "The Phylar Work Horse", this sinon Bearings, using 22 of them in the craft can cruise at a good 100 miles an hour at and over axies and the transfer case couring a lead of more than a son, to Timber Roller Bearing Altreaty Series has minimum this comarkable sectors ed many aircraft, ouglas and peopeller pro-Append Roller Bearings were jamilied in and aft transmission, respectively, and restors and landing wheels, where at it may be the answer so yours. Wrise so for and sak our engineers to make specific reces. It pers to have the male-mark TIMKIN' on every bearing visc COLUMN SEASING COMPANY, CANA MET HELD A MILLO MET HELD A MILLER CO. THE THREE WHITE SHALL CO. STORMS THAT SHALL IN HIS THREE SHALL OF ANY COMMUNICAL AVIATION WEEK, July 2, 1947 AVIATION WEEK, July 7, 1947

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accurate stability and control data necessary for supersons flight. Research will be conducted on these phases with two types of microst, used with noticel power, the other with further, power. Ranges of each post of microsts planes will overlap to lineare complete coverage of taxonome zone where stability and control are critical publishes.

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and acceptant that he the tribing or specific rates designs for proposed flusted and sportsfields metal than the U.S. ► Lower Finger-First place to be done by is powered by 100 tolk d c derive motor capable of producing 1-909 bp at a motor

b Town Oxyllation Person of the volves understale moditions found in morest

New Canadair Four Is Hybrid DC-4, DC-6

Company expects spreemor to Di AM-I to the soon, with Condo sever hid for the Empire transport transport transport transport transport to the Condon transport to the Condon transport to the Condon transport transport to the Condon transport transport t Roll-Rever Burton engines, in scheduled to the plane is the successor to the DC 6M-1,

but sub a thread blendag of H K and In such Commonwealth which a few months are said the wheet to

Kengdom B will have to ablieve special provisions from Douglas to ail clarishous P Expert Problem-It is possible to former would must that personnel such board or Counter From but not a U S made Director It is highly uplikely that the U.S. minused by deer Empor trade address and the diffe shorter purched in all Whether expect consultrations have on tred into Catalog's edirebrana or not

the company is employing the fact that content of the Cameter Force in 50 percent Stand Empire A long part of the an b Rolls Force Tenner Tenner Telle Rever Media 625's with 47 infection new These engines me sated slightly from them the 600 and in the DC-4M1 which and wise the 620 marger, soled at both

ENGINEERING PRODUCTION

Briefing Production News

 Northway Nicosity, here expects not select of \$4,053,311 for the period randomy April 16, the theref quester of six fixed year. Not select for the same according of the fixed year total 31,4441,757. P-Rooms Awards Co. has report first papers with AAF terminating its R29 production program on vern often the install contact was granted. As amonded, the colled to 6,200 B 29s, of which 2,755 plus space, were completed. Cortes-Whale Corp's Arplant Device at Columber has began debroom of the H modeled F-U c for AAF declare executed which have been of the Florida count. ▶ Bell Anoust Corp., schoduled to shutdown fin a two-nest, pleat water varieties beginning

* Managed e-Reserved Renderer Co. has covered a marketer distract office on Fact Week in its Automatical Decrees, with Condr H. South or charge. MH she has peak

Address under which is acquired one precings or using most than any passage or on our analysis of Sakonder Hilliamsters. Desired had a narriew larger which convent only. ► Center Weeks Corp's Tropolics Decress has beautifules. Was Aucts Administration offective Dec. 1, coronae 2,650 cordoners.

P. Great L. Marine Co. has completed suffering notices for the modified was and rail Finehild Engine & Acylone Corp.'s Duranold Division is closus as lancations. N. Y. plant and moving operations to the implies plant at Hagenerous, Md., and the Diorion Flance Derives at Fermingful, N. Y. PAlls Clobers Marelagoring Co. his formed a new turbonous development depart Filtram Settlement Co., a subsidiary of Manacapola Reservoil, has appointed at will

F. C. 1 De Post de Nouveen & Co. has trade marked the name "Street" for ex-ortholo-P Polife Nimolita Corp. has more) into its new headquarters and combout her adjacen P Brook Committees, Inc. slorts and offices will be closed belong 25 Aug. 11 for very new

thus can a higher powered air cooled engine-► 56,000 Db Gene-The Canadra From her a green triac of sought of 16,000 Dr as tuce's neight engits of the Canada: Fou-DC6 resolution is weight copes in 45-151, and metal lend 53-311 (DC6 con provience weeks The SID Medies are usted for take off at

worth of some party for N25 Keydet transers.

man cross source the DC 6 or season to

out power, about \$100 hp, the DC 6 at 23,000 dt and 31 900 lb, most weight has * Expos Plan-Assumed the of the Concross press of 1,150 hp per sugest, about 10 percent of normal and power than scherous the speed specified. Wedang as

MOTORS provide e comfortable excureries arrasenties that can handle your second-For of West-schools sixtral moors. The examples and arelacions with a motor canon-built for the job pleased are less a few to above you the range of spelica-The aircraft mesons and just one phase of the broad tions covered ... for every type of plane; for all mandard lies of Westinghouse operation; for sources, ranging

distribution systems, for any power and speed. Bells to exacting specifications and tested under armal flight conditions—these mounts also was the proper combination of dependable performance and euromore weight. And they're backed be a competent from large for place and surport lighting to electrical of this server sak your searest Westgarkouse office for bookle B-1775, Westinghouse Electric Corporation,



AVIATION WEEK, for 7, 1947

all-purpose STRONA viation areases withstand heat, water, cold!

L-STRONA HY-1 and LT-1 ... the new all people stron gian base aviation grouss—zive complete prosposon at temperatures from 300°F, rough? F.! That means more weather from the stone to the propect



2. Bor communic on severy 1th month years made for a lead.

and world parties assessed the force consider to be half a street

laborated on one aids with STRONA greater and on the

3. STRONA gresses can be used to labricate up to 90% of the parts on transport metric -100% of the pure on factor of ones! The two crudes of STRONA perform robo which formeds account from 6 to 12 different excepts The Pacific Alieskin Division of PAN AMERICAN WORLD AIRWAYS medics STRONA for \$3% of

the sted bibroston mores of its DC-1 Classes? STRONA



goon and private plane owners have found STRONA HTC1 and LTC1 the second to safe last lasting laboranon-And all numera STRONA Large Schooler sweettory and maintenance costs in a sustenam. Both grades are Phone year local Union Oil Aspeniestotive

4. STRONA GREASES are now reported for our by

leading plane manufacturers and animes. Evoid have open

Admiral Rosendahl Heads Airship Study \$70,000,000 south for ongibles on overseas passepare

By BLAINE STUBBLEFIELD There alers a dance the U.S. self.

bulkheads have to be materially strengtheard to avoid popping mets when · Observers who follow the trend of teoler lines closely wonder if the death

technical and recognize psychologic and

The group's tensoring size in to plodge referred a cabuly powers for believe The Murhout Marine Act of 1916 da * Heward Heples poid tribute to the California weather be owinger exception which are over up to shoot 20 possoners.

in victor" front and marks lead to linery processes without an mercus profest denothing forms observery had thus CASS and alphabet ander the Maritime ComIndustry Observer

* McDonnell Assenti's paraste fighter-NPAS-well be despeed with its wines folded from a E-50 horse bay. Wrags are supposed to unfold as the parasite falls clear of the coother place. Receiver will be effected in the or by severe deletable technique. Mether planes will carry a combination of up to there manufe firstern

▶ Now youngs of the Bottols Note wt engine will decides \$750 fb. style threat that power output no already in released stage of development * Greenman's PSE, which will be powered by an earlier verson of the None to he manufactured in this country by Proff & Whitney, is nearing flight test about First FSF's, however, will be powered with imposted engines, * Nove as howing the same remainment trouble with str first constituted set failure -the McDennell FD-1-that betieved the AAF with only PSU; Forward

* Control of stailed statiles over long ranges between honelling range and trents is the subject of introve research new grader was by such button warface cuprets. Most proportion had seem to be netometer releafed movertion that grades the source through submustic four on predetermined celestial bodies. of swinkle planes for short haal operators was not streaklet Donnies to move

its prewar DG-5 for service in a feeder-baser ► Both TWA and Lockherd our reported to be embappy about the \$750,000 half designer that filed by the auties around the supposition on a result of the Conextension cosh lot seaware at Kending, Po. Street indication is that TWA world not have filed not without heavy presume trees its encounce accure. Aero Underwriters, which made coughted personnt for hell less damages. As a test ere. The roll will mornin subscration of one dominers that one he was to Acm Underwitten. TWA's original chim sentest Lockhood for occupancetral densities covering loss of streams during their Country were grounded by CAB, were determed denne providence for consultation of 15 model 649 Common

· When and if Microsco's goat new turkept engine is perfected and made andable consecutable Lockheed Arcents Corp will have a corner on sto instead

of a 77,000 or. in Reservoy curves tent over the Horber Brine hous at Lean Bench harbor. It will be supported by a framework of 54 tons of bubular stock Boat will not be instelled before senatoral investigators booked by Michigan's Homer Ferrance arrive on the West Court leby 10 to ready Header, warring activities, secleding his fiving boot development contract ► furticion government has veted \$3,135,000 for production of got technique by Contracts of the Account Come in Melbourne. The firm and make Reth-

* Alternite designess will be writehing cloudy sensits of new University of California essence on efficiency of adots in some multiple. One bandood students all fection AAF and New pilots are acting as grines pigs in the experiments which will probably require two years for completion.

*Costs of NACA word twend but models has skycological from an assure of \$2,500 in 1910 to \$20,000. Arrest capine troops now costs about \$747 per hr on constant to \$16 in 1939 and \$225 on 1941

P.A. flat seriored "solved window" will realize the extendence in the Souther Stratocratics. Flat surface is designed to withstand more stress than the hubble true done, two of which blew cut in Constitutions on triendinate commen

while make the cable necessivation orders * Joint AmeriNavy Board is conducting studies to discover the United States

ENGINEERING-PRODUCTION

new available or essents

Reech Releases Details and Photos of Feederliner South Assouth Core liest week scheduled

so easily test fight for its emque Model 35 no easy two legisl for its thaque \$4500 55 transport, funescot to fit the perpent of discours now local service nation by namenous P Samuel of Teriography - Until the plant her, Beech is series on extented performances and many other details, except for taked distance—a strong selling point to local service operators. Professions orimate indicate it will take off, so record deed and clear a \$0.00 obstacle nation. Model 54 is a high warg mercephere with a modelled V trail. The mode of the train

Scale Model, Beech 34 parlson on the compact is more scale than





Capro Bulkhead Moved Afts 14 Seats. Note Researc Leckers.





the marveless, threlling National Air Rucca Greater then ever, the 21st August Workly, Premier Air Classic with set propelled and supercharged planes connecting with the speed of sound. Wester shins of strenge design our many behavior do this an no hard can do, Breath-taking

script percheties, spectacular formatters and racifing competition of temperontmental or "pylon pol-"ling" events muntarn the fast tempo of emertainment, theils

AVIATION WEEK, July 7, 1967









Paper Table From 11th Co.



sarable selected are the pears. Booth Care

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of the war, with their freet legs crapped rate fatherers on the refing of the con-

question for airline management... w Low Can You Keep Over r Maintenance Division?

is it necessory to corry the high fixed charges of a complete, company owned

even during low-reverue periods? ten't it hatter nelley to open evertoed to revenue by using PAC's complete everheal end maistanence services—thereby evolding fixed cherges on shops, tools, and top quality overhead of engines, accessorias, proseller, increment, and aximmes as prices over

than year two sees. You seem unnecessary inventmen in expensive sools and facilities. You achieve

a depublic economic floodistics, so that you can reduce on extend democratic damag low-revenue periods and yet expand operations quickly when

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Executive efficient 2010 N. Hallywood Way, Burbank, California AVIATION WEEK, July 7, 1947



Hiller Simplifies Design To Cut 'Copter Production Costs

custod system you cade development New assessment to marchinel denote to landstate both production and maintenance ated in production models of the Comar revoled in their subsers AVIATION studels shown here no continuing fight mater, Studen 1886s, voughful head of the (This article continued on page 50) Heboorten, Inc. Commuter







ing Community ration. Note builded in at heavy Picciple from helds carried distortion. Street numbers are corred under other PRODUCTION ENGINEERING

Newest craft of young inventor includes features aimed at getting retail sales price down and keeping maintenance charges in line.



Clem appearance and simplified design are accomplished by instrument "policial" (left) as which swelle field recorporates electric oil temperature and persons, field quantity and field exercise of temperature and paramer, but quantity and feel present, and technology architect. Choose leght; abgroung engage with cooling has artified. Fire agenties on domated:

Solves and offer-in most wars than one. At left is shown for

PRODUCTION ENGINEERING



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on, residing as present out there at rate. Though advanced with it is progress before large trade production is undertaken

AVIATION WIEK, July 7, 1967





lighter and less expensive alcoraft

researchains and recention even under it is the Lear AIRCRAFTER - a product - a vada, that procedes VHF transcripbrondenst reception with learly-colors amplifier unt a dynamous driven, evaturns the complete transmitter and the IF and audio sections of the receiver

So everything you've wanted in private facts are finted in the box Look them AVIATION WEEK, July 7, 2947







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COLDANO The Chart Studies Studies Space I represent JMSP ROPER Index 1 continues Six Finds Society 6000000 About Studies Six Finds Society 8100000 About Studies Six Represent Six Represent Six Represent Six Represent Six	Company Compan	C. Michaelte Meet (a baseling to be	CONNECT CONN
Cityme France & Bankmand Co. Change of the Control of	HOW TORK ARTHUR OF THE MARKET OF THE PARTY O	No. 2. E. Year Securities Generally 20: State of the Control of Co	William Rose (27), Nichola SCOTA, Nichola SCOTA, Sind Fragmaning Scian, Ind Touristan Scian, Ind Touristan Scian, Ind Touristan Fragmania Scian, Ind Touristan Fragmania Scian, Ind Touristan Fragmania Scian, Ind Touristan Science, Ind Touristan Ind Ind Touristan Ind Ind Ind

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Navy's trim jet fighter has spring-released non-fouling winetin tanks, also lowered dive brakes, and handy kneeling year to ease positioning, stoware, To owner that employing of the NFI I's safting in tal buffeting, the perfected units

150 plus caph. NFI 1 New yet fighter (top) cuts until norters. Affinert riseasus, ment with making direct in apparent, the tal last" across to pull it out of the fluist For more record handling and circur all real same to stabilize appearant from stacking on corner deck or in the honge, the senates, thus percentage the took's now the NP(1 is equipped such knowling note from ukepping mened and staking adores - goot (lower right). Two telescope evine

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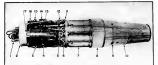
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The craft is pencied by an Alban wade









LEFT SIDE VIEW of TO 150: (1) Earlier accuracies, 125 for west are gards, (3) they devided, (4) sportion municipants, (5) because of the contraction of the contractio

wheel cooking on line, (10) subsuit cone assemble, (11) moresforwall halfs, (12) midbases, (13) these believing persons loc, (14) bearing outliers at fibes, (15) electrical macroes bas, (16)

Design Analysis of

The General Electric TG-180 Turboiet

Revealed here for the first time are enrincering details of the most widely specified American jet newer plant-data prepared exclusively for AVIATION WEEK by a ton designer closely connected with the development project.

By NEIL BURGESS deposit Go Tarbine Engineering Dis.

ot toler a General Electric's soul flow TG-850 (135) Installed as a wide venctor of the falsed markey coally-bonders, fight-ees, a transcure noticeth plens, and other front at not underload other set plant exforces an exceptional denne of desire seformers, depleting a notable measuring Development of the TG-100 was auto-ated by GE to Max. 1941, at record of the an bear endared defect prayride or muser untilisten requirement of the said 66. Dougles XB 43 and D-554, North American XFI 1 and XB 45. Martin XB 65.

Mand Flow Componer-The component

ments of ole-on biaded deks sheen on a



COMPRESSOR ASSEMBLY with more half of cours record. Details are 111 Com-

person come, lower half, (2) forward frome, (3) mounting transiers, (4) first stage robot

person or an est, (4) service times, (3) measuring transies, (4) this stage sole-disk, (5) soles black, (6) clewich stage rates disk, (7) multivare, (8) combination closes bet opening, (9) for the transie opening, and (10) man mounting transies.

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Roundane out this precision peckage are Federalmanufactured balls, resistends achorbal within cooogy" and not varying in diameter more than

dustry's assembly flore it has cone the soute of over 100 soficidual production, inspection and cleaning operations with every faural approper on inspector

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TENCAL CONSULTION CHAMBER. (1) ever chamber, (2) every cose lenters

take menubly. (3) upster play filege, (4) expension believe—extensi on most medich.
(5) reschaston lines (6) ferroir for consuprings take, (7) her dome, (8) greater play

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of compressor energy supports the most me. Engine man monating transvers are

support for the entire inchine and prignal

FORWARD FRAME ASSEMBLY (at left): (1) Lower transien, on all solv. Midfance avenille (at right). (1) confection

No 2 bearing bearing, (5) bearing over mes—men men in AVIATION WEEK, July 7, 1947

chamber source, (2) feel poorly not (3) No 2 learner housing PRODUCTION ENGINEERING





performance, Delco-Reny Division.

from radged best. The forwall halfs at sagh mgs inpubetype misfation record

dacoga.



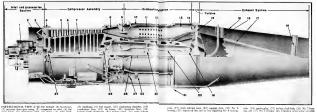
TURNOUS ROYOR ASSEMBLY. (1) Turbon wheel, (2) horloot, (3) No. 4 bearing second (4) No. 4 beauty (5) No. 5 beauty provad, (6) No. 5 beauty, (7) technic



turbrane status county, (4) att farms, (5) fort percis, (6) bearing the message has seen, (7) topical bearing cooling are extraordina, and (3) data connection for inforcing of and cooling are THREE OUALTER VIEW of come in downship stard with chast the set of cuberton thereon manufactured that with the set of cuberton thereon manufactured that set (1) Tabas where (2) forge for botton to solute cone, (3)

both rides of wheel, thus helping to todoor Navie deployer counts of februard AVIATION WEEK, July 7, 1947

that, and (5) Men dave spine-fits into compensor riese held PRODUCTION ENGINEERING



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over and outer special bank with purched. Advented from sheet stack welded to the holes to receive the each of 64 equility spacer bands, are not cooled caused blades to form the country. Nisdes.

DETAILS OF COMMERCION CHAMBER INSTALLATION. Clean rise or visit. of extremition of the reports were. Transition from used leading from chambers to

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PErhapt Conc. Dischase your on col-

MAN VIEW OF TO HE (1) Edward firmpt, (2) trebina buckets, (3) same en-AVIATION WEEK, Into 7, 1947





Italians Start Work on Two New Transports

Siai-Marchetti SM-102, of composite construction.

built around American engines. Breds-Zapputa BZ-309 is all-metal high-wing craft with trievele sear states, the exit will be of commonly

links accomuted regueen today are progressing from the desem to himcouldn't to McGraw Hall World News eving Powered by two 450 ho. Ranger

wood wings comprised of built-up ply wood spars and sibs with phywood cov-SGY-770CIB curines, the cruft will Newast perject of Sai-Maichetti is have green set of 9,700 lb., and empty the 5-passencer SM-HC, designed for wt. of 5,700 th. Wing span is Inted

construction: a metal fessions and is the Breds Zigenes BZ-309, a highwas all-noted costs decreed for eleven passengers and enew of two. Toones, design crassing speed is listed at 217 mmb. Gross wit is set at 12.125







A dightly larger costs had being

AVIATION WEEK, July 7, 1947

maintenance and repairs...consult ane of these



ouglas APPROVED SERVICE CENTERS



S. DC-S, C-4P, BC-S, C-54 Bouges Alyne's Company, bro, Santa Monta, Cell ⁵ S. DC-S, DC-S, C-24 Andrew Replacement Corp. 7721 Monday Arenne You Nam. Cell ⁶	8, 0-019, C-47 Saysters Armonya Company Maricipal Aryson, Afanda, Cla. 18 DC-3, C-47, DC-4, C-54 Armonia Bandas Companities Brodley Radii, Window Landa Companities
S. O.C. S. C. 47, D.C. A. C. 64 Grand Cambril Ampril Comprey 1500 Streep, Glandele, Calif. 4, D.C.S. C.47 Bughes Almath Company Drawn Annual or bask to	TO ECC.), C-67 Nanthwall Industries United PID: Bits 207 Edwards, Albaria, Conside UI. DC-3, C-67 Conside) Limited, P.O. Box 6087
Culture City, Geldi. 6. O.C.3, C. 47 Marketop Alexand Company Franktone, Calif. 6. O.C.3, C-47 These Research Company	Alcohood, Quahan, Controle 12: DC-3, C-47 Scribbs Artistics Unibed Freeholds Alspert Aprobins, Sastianni 14: DC-3, C-67
Then Alcourt Company Materialism Report Von Heys, Cold, J. BC-4, C-54	S. A. B. C. A. 13 Ran de Braderode Brasols, Belgion

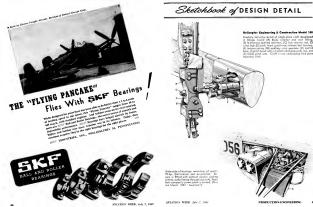
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anny firstey; will be achieved add reference to the property of the communication of the control of the contr

page will be tooled up and mady to start Namon production at San Dagis Dy alto October or early Namenhan Ryan and for hoped to take up the Namon cales program where it was deem traced by Namb. American and to see the 17 Namon factory dealers appeared by North American and to see the The Namon program may constitute the The Namon program may constitute the



UNITED STATES STEEL
K. http 7, 1947

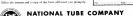


Drougers and bridden of all types of hierark will find in this handy hook a reals and only on the arrow election of security taking but potential.

- data constant to its economical application.

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New Stinson Office To Aid Distellantors

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Julies strong Streen, Smoot was been sent manager by the Detroit near of Chevolet Meter Co



Continental Offers Dealer Ad Campaign

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THE ELECTRIC AUTOLITE COMPANY Type is "Sowper Sucker" proving Fraker Reveally Therefore Makin, 9:00 F.M.—E.F. on CSS



AIRLINE on an ISLAND



OSTUCO, It is a choice based upon the engenering experience, shilled craftassenship and craftassens research that have ended The Ohio Secorden Tabe Os. to keep pace with the progress of the arisation industry.

aptly describes Island Air Ferries, Inc. Operating since 1945, the line was established to provide fast transportation of passengers, mail, express and air frouts in and out of Long Island.

LONG ISLAND'S OWN AUS LINE"

Future plans call for uniting the highly industrialized New England area with Long Island, a plan that until the advent of air service had been effectively blocked by the presence of Long Island. Sound, Many new industries, locating at various points along Island Air Ferries rootes, juger well for the future of this "airline can inslamble."

THE OHIO SEAMLESS TUBE COMPANY

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FINANCIAL

Current Airline Merger Talks Unlikely to Result in Action

Analysis of Requirements Indicates Proposals Under Discussion Fall Short of Consolidation Qualifications.

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AIR TRANSPORT

Domestic, Trans-Atlantic Carriers Show First 1947 Operating Profit Industry's improved enraines during April make only

small dent in huse deficit for first quarter: Eastern continues to set pace.

By CHARLES ADAMS

transport redenity during April polled and Note of the 16 scheduled authors one culsus the seess PCA reported \$40.005 Issued their first theer months lesses rate the second quarter. But everall operating res : inservious \$1,500,764 motors, was And makes only a small deat in the whom quarter figures in promittees nor American \$75.000 model (\$4,544,696) the first quarter Moneyer, the Agual pools local, Delta, \$145,200 grade (\$275,50" relient with an \$14,752,567 operating delilon in the same 1996 served U S flag owners on the trans-Atlantic 906 Ion3 National, \$59,835 posts (\$147. Editory America Otenso Arthur \$1.865.660 feet. TWA \$366.320 lac-

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thermocouple fire detection meets ideal requirements

NEW VIR. 4.1 OF REPORT NO. 2 of Annualy Industries Association AEC Subsemments on Associate For Deposition Ages authoris Present No. 7, dated May 77, 1946, but requirements for the shed The EDISON Detector The IDEAL Detector (feet ATC Percet)

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Robinson to Argue Regional Airline Concept Before CAB

New York intrastate carrier points to high traffic generation from small cities; Sees better, chesper service than feeders can provide.

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Airline Passenger Traffic Up 16 Percent

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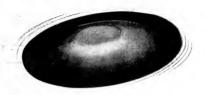






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